

Amendments to the Specification:

Please replace the abstract with the following amended abstract:

ABSTRACT

A transmission position encoder for a vehicle having a transmission, a transmission controller and a transmission shifter adapted to shift the transmission and reposition the transmission position encoder, the transmission position encoder ~~comprising:~~ including a plurality of detectors for providing a plurality of signals to the controller, ~~said~~ the plurality of signals corresponding to discrete positions of the transmission position encoder wherein the controller is adapted to determine if there is a failure in any one of the detectors as the transmission position encoder transitions from a single position to one other position.